

# SEMINARIO DE ANÁLISIS Y APLICACIONES

Lunes, 5 de septiembre de 2016

15:30 h., Módulo 17 - Aula 520 (Depto. Matemáticas UAM)

**Ignacio Uriarte-Tuero**

Michigan State University

A counterexample regarding two  
weight norm inequalities

**Abstract:**

I will review recent advances on T1 type theorems in the two weight setting for Calderón-Zygmund singular and fractional integral operators, with energy side conditions. Then I will focus on a related counterexample recently found that shows that the energy conditions need not be a consequence of the norm inequality for general Calderón-Zygmund singular integral operators (even though they are a consequence of the norm inequality for the Hilbert transform). Joint work with Eric Sawyer and Chun-Yen Shen.

ICMAT CSIC-UAM-UC3M-UCM  
Departamento de Matemáticas. U.A.M.